AMENDMENTS TO THE CLAIMS:

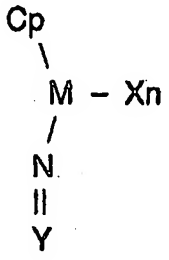
This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) Process for the preparation of a polymer comprising monomeric units of ethylene, an α-olefin and a vinyl norbornene applying as a catalyst system:

a. a bridged or an unbridged group 4 metal containing an unbridged catalyst having a single cyclopentadienyl ligand and a mono substituted nitrogen ligand, wherein said catalyst is defined by the formula I:

b. an aluminoxane activating compound,

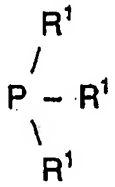
c. 0 - 0.20 mol per mol of the catalyst of a further activating compound,



Form. I.

wherein Y is selected from the group consisting of:

ai) a phosphorus substituent defined by the formula:



Form. II.

wherein each R^1 is independently selected from the group consisting of a hydrogen atom, a halogen atom C_{1-20} hydrocarbyl radicals which are unsubstituted by or further substituted by a halogen atom, a C_{1-8} alkoxy radical, a C_{6-10} aryl or aryloxy radical, an amido radical, a silyl radical of the formula:

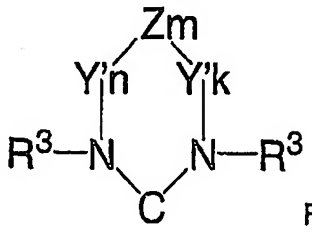
$-Si-(R^2)_3$ Form. III.

wherein each R^2 is independently selected from the group consisting of hydrogen, a C_{1-8} alkyl or alkoxy radical, C_{6-10} aryl or aryloxy radicals, and a germanyl radical of the formula:

$-Ge-(R^{2'})_3$ Form. IV.

wherein $R^{2'}$ is independently selected from the group consisting of hydrogen, a C_{1-8} alkyl or alkoxy radical, C_{6-10} aryl or aryloxy radicals,

aii) a substituent defined by the formula:



Form. V

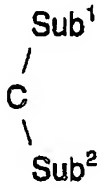
wherein each of ~~Y~~Y' is C R^3 R^3, C=C R^3 R^3, C=N R^3, SiRR, C=O, N R^3, P R^3, O or S,

Z is - A=A, and each A is C R^3, N or P,

each R^3 is independently selected from the group of hydrogen, hydrocarbyl radical, silyl radical according to form. Ill or germanyl radical according to form. IV,

k, m and n have independently the value 0, 1, 2 or 3, provided that k + m + n > 0 and

aiii) a substituent defined by the formula:



Form. VI.

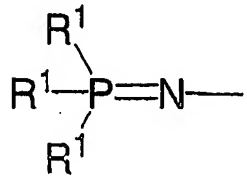
wherein each of Sub^1 and Sub^2 is independently selected from the group consisting of hydrocarbyls having from 1 to 20 carbon atoms, silyl groups, amido groups and phosphido groups.

Cp is a ligand selected from the group consisting of cyclopentadienyl, substituted cyclopentadienyl, indenyl, substituted indenyl, fluorenyl and substituted fluorenyl;

X is an activatable ligand and n is 1 or 2, depending upon the valence of M and the valance of X; and

M is a group 4 metal selected from the group consisting of titanium, hafnium and zirconium.

2. (original) Process according to of claim 1, wherein the catalyst used contains a phosphinimine ligand which is covalently bonded to the metal, defined by the formula:



Form. VII

wherein each R^1 is independently selected from the group consisting of a hydrogen atom, a halogen atom, C_{1-20} hydrocarbyl radicals which are unsubstituted by or further substituted by a halogen atom, a C_{1-8} alkoxy radical, a C_{6-10} aryl or aryloxy radical, an amido radical, a silyl radical of the formula Ill and a germanyl radical of the formula IV.

3. (original) Process according to claim 2, wherein the catalyst comprises as phosphinimine ligand tri-(tertiary butyl) phosphinimine.

4. (previously presented) Process according to claim 1, wherein the alumoxane used is of the formula: $(R^4)_2AlO(R^4AlO)_mAl(R^4)_2$ wherein each R^4 is independently selected from the group consisting of C_{1-20} hydrocarbyl radicals and m is from 0 to 50.

5.-10. (Canceled).